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NOTICE OF ALLOWANCE AND FEE(S) DUE

27849

7590

05/06/2004

LEE & STERBA, P.C. 1101 WILSON BOULEVARD SUITE 2000 ARLINGTON, VA 22209 EXAMINER HA, NGUYEN T

PAPER NUMBER

ART UNIT

DATE MAILED: 05/06/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/635,472	08/07/2003	Hoon-Tae Kim	249/385	8537	

TITLE OF INVENTION: HIGH-CAPACITANCE CAPACITOR HAVING MULTI-LAYERED VERTICAL STRUCTURE

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	08/06/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

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Complete and send this form, together with applicable fee(s), to: Mail

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1101 WILSON BOULEVARD		ART UNIT	PAPER NUMBER	
SUITE 2000 ARLINGTON, V	'A 22209		2831	
			DATE MAILED: 05/06/2004	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

			Ma
	Application No.	Applicant(s)	-
	10/635,472	KIM ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Nguyen T Ha	2831	
The MAILING DATE of this communicati n appeal claims being allowable, PROSECUTION ON THE MERITS IS (Grewith (or previously mailed), a Notice of Allowance (PTOL-85) of OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG	OR REMAINS) CLOSED in other appropriate comministry. This application is:	n this application. If not included unication will be mailed in due cours	e. THIS he initiat
This communication is responsive to <u>4/19/2004</u> .			
∑ The allowed claim(s) is/are <u>1-5</u> .			
igtimes The drawings filed on <u>07 August 2003</u> are accepted by the E	Examiner.		
 Acknowledgment is made of a claim for foreign priority und a)	peen received. Deen received in Application	on No	om the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	NT of this application.		
A SUBSTITUTE OATH OR DECLARATION must be submitt INFORMAL PATENT APPLICATION (PTO-152) which gives			E OF
 CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperso 1) ☐ hereto or 2) ☐ to Paper No./Mail Date 		w (PTO-948) attached	
(b) including changes required by the attached Examiner's a Paper No./Mail Date			\ . #
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the			OT
☐ DEPOSIT OF and/or INFORMATION about the deposi attached Examiner's comment regarding REQUIREMENT FOR			h e
tachment(s) ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of In	formal Patent Application (PTO-152	1
☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview S	ummary (PTO-413),	,
Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date <u>0204</u>		/Mail Date Amendment/Comment	
	و المالية	Statement of Reasons for Allowance	_
☐ Examiner's Comment Regarding Requirement for Deposit	o. ⋈ ∈xaminer s		-

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Application/Control Number: 10/635,472

Art Unit: 2831

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-5 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-5, the prior art alone or in combination does not teach the limitation of a capacitor used in an RF circuit comprising a plurality of electrodes being formed in parallel in the dielectric layer in a diagonal direction between an upper electrode and a lower electrode, and first electrodes and second electrodes are alternately positioned in rows and columns.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

2. The applicant has argued that Ng et al. is silent with respect to a capacitor used in an RF circuit comprising a plurality of electrodes being formed in parallel in the dielectric layer in a diagonal direction between an upper electrode and a lower electrode, and first electrodes and second electrodes are alternately positioned in rows and columns. The examiner finds this argument persuasive. Therefore, the examiner made decision to allow this limitation over the prior art of record.

Conclusion

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Application/Control Number: 10/635,472

Art Unit: 2831

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 571-272-1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen T. Ha April 23, 2004

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800